RCA

TV/DVD
User's Guide

Changing Entertainment. Again.

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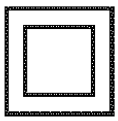
Important Information

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates important instructions accompanying the product.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

Notes:

This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play the disc. The Region number for this DVD player is Region No 1.

This device is protected by U.S. patent numbers 4,631,603 and 4,577,216 and 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. For U.S. customers: Your RCA Consumer Electronics product may also be registered at www.rca.com/productregistration. Registering this product allows us to contact you if needed.

CLASS 1 LASER PRODUCT

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers. These numbers are located on the product.

Model No. _____ Serial No. _____ Purchase Date: _____

Dealer/Address/Phone: _____

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Things to Consider Before Connecting Components

Important Stand and Base Safety Information

Choose the location for your TV carefully. Place the TV on a stand or base that is of adequate size and strength to prevent the TV from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and or damage the TV. Refer to the Important Safeguards sheet packed with your TV.

Protect Components From Power Surges

- Connect all components before plugging any power cords into the wall outlet.
- Always turn off the TV and other components before you connect or disconnect any cables.

Position Cables to Avoid Audio Hum or Interference

- Insert all cable plugs firmly into their jacks.
- Place any Audio/Video (A/V) cables to the side(s) of the TV's back panel instead of straight down the back after connecting components.
- Try not to coil any twin-lead antenna cables and keep them away from all A/V cables as much as possible.
- Make sure all antennas and cables are properly grounded. Refer to the Safety Tips sheet packed with your unit for detailed information.

Protect Components From Overheating

- Never block ventilation slots in any component. Arrange the components so that air can circulate freely.
- Do not stack components.
- Allow adequate ventilation when placing components in a stand.
- Place an amplifier or other hot component on the top shelf of a stand so heated air rising from it will not flow around other components.

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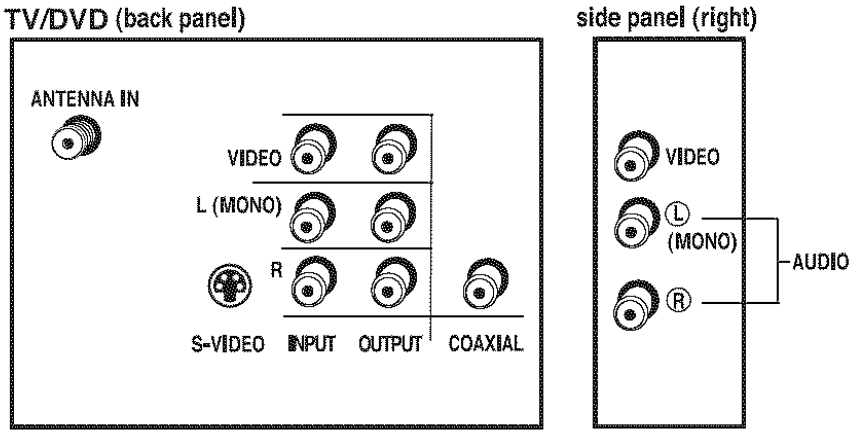
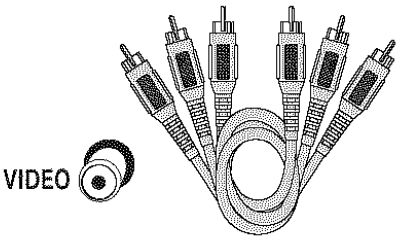


Explanation of Jacks and Cables

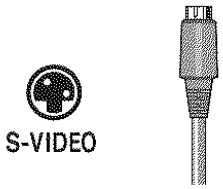
You can connect other components to your TV/DVD player such as a VCR, video camera, or audio receiver. There are several ways to connect your other components to your TV/DVD player depending upon the cables you have and the jacks that are on the back of the components. Different jacks and cables provide a different level of performance. The jacks on the back of your TV/DVD Player and the cables used to connect them are explained below.

Note: If you do not connect a cable, antenna, or another component to your TV, the TV will automatically shut off after 15 minutes to save power.



VIDEO Jack and Cable

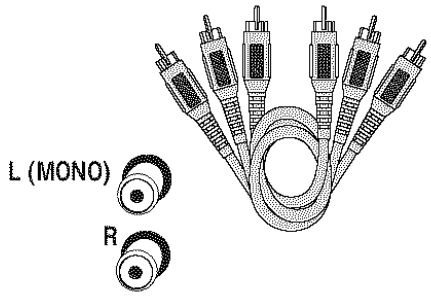
The basic Video jack (usually color-coded yellow) is also referred to as composite video. Composite video is better than the video quality you get from an RF coaxial cable (the type used to plug the cable feed into a TV). Usually the video cable is bundled with the audio cables (white and red).



S-VIDEO Jack and Cable

The S-VIDEO (separate video) jack provides better picture quality than composite video (the VIDEO jack) because the color is kept separate from the black and white part of the video signal.

Note: Remember to connect the audio cables because the S-Video cable carries only the picture signal, not the sound.



AUDIO L (left) and R (right) Jacks and Cables

These jacks are used for audio connections of other components to the TV. The audio jacks and cables are often color-coded (red for right audio, and white for left audio). You must connect audio cables to the AUDIO L and R jacks on the TV/DVD player and the corresponding jacks on the component no matter which Video jack [AV1 (SVID), DVD, AV3 (side front)] you connect.

Note: If your component has only one audio output for audio (mono), connect it to the left (white L/Mono) audio jack on the TV and don't connect the right audio part of the cable.

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Digital Audio Out/Coaxial Jack

Use this jack to connect your TV/DVD Player to a Dolby* Digital or DTS receiver or decoder.

*Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
DTS is a registered trademark of Digital Home Theater Systems, Inc.

Front Panel Controls (from left to right)

If you cannot locate your remote, you can use the front panel buttons of your TV to operate many of the TV/DVD's features.

POWER Turns the TV/DVD on and off.

PLAY/PAUSE Plays and pauses disc playback.

STOP Stops disc playback.

REV. (Reverse) Searches backward through a disc while it is in play mode.

FWD. (Forward) Searches forward through a disc while it is in play mode.

OPEN/CLOSE Opens and closes the disc tray.

INPUT Toggles the Video Input Channels from [TV (AIR/CABLE), AV1 (SVID), DVD, AV3 (side front)].

MENU Brings up the *PICTURE* menu.

VOL ▼ Decreases the volume. In the menu system, acts like the left arrow button on the remote control and adjusts menu controls.

VOL ▲ Increases the volume. In the menu system, acts like the right arrow button on the remote control and adjusts menu controls.

CH ▼ Scans down through the current channel list. In the menu system, acts like the down arrow button on the remote control and adjusts menu controls.

CH ▲ Scans up through the channel list. In the menu system, acts like the up arrow button on the remote control and adjusts menu controls.

Putting Batteries in the Remote

Remove the cover of the battery compartment. Insert batteries, with the polarities as indicated, inside the compartment. Replace the cover.

Note: If you are not going to use the remote for a long period of time, remove the batteries to avoid damage due to leakage.

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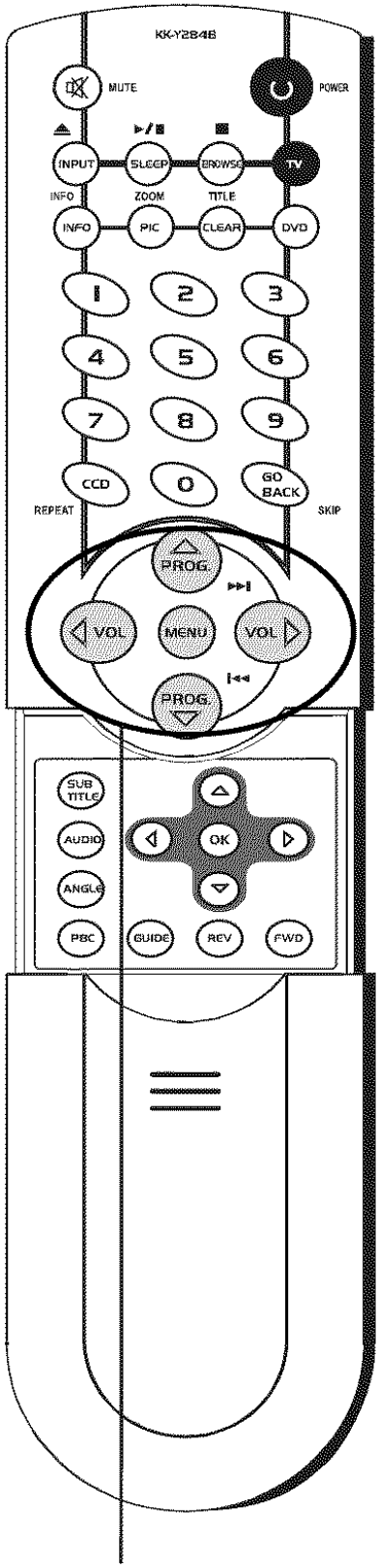

Arrow Buttons for TV Menu System

The Buttons on the Remote Control

The remote control contains buttons that are dual purpose depending on which function (TV or DVD) is being used. In addition, some of the DVD buttons can be hidden when the remote is being used for the TV function. Slide the bottom portion of the remote control downward to reveal additional DVD buttons.

TV Function Buttons

MUTE Lowers the volume to the minimum level. Press again to restore volume to original level.

POWER Turns the TV/DVD on and off.

TV Puts the remote in TV mode.

INPUT Toggles between available inputs [TV (AIR/CABLE), AV1, DVD, AV3].

SLEEP Press to set the Sleep Timer. Repeatedly pressing the button advances the time in 10-minute increments up to 2 hours.

BROWSE Press the button twice to begin channel scan. Press again to select the current channel.

INFO Displays channel information. Press again to remove the information from the screen.

PIC Brings up picture presets.

CLEAR Removes a menu or display from the screen and returns you to TV viewing. For menus with digit inputs, pressing CLEAR will clear the last number entered.

0-9 (Number buttons) Use the number buttons to enter channel numbers. To enter a two-digit channel, press the two digits. To enter a three-digit channel, press and hold the first digit for two seconds until two dashes appear to the right of the number, then add the second two. Example: to tune a channel 123, press and hold 1 for two seconds, press 2, then press 3.

CCD Turns closed captioning on and off.

GO BACK Returns to the previous channel. If you are in the menu system, GO BACK takes you to the previous menu screen.

MENU Displays the Picture menu, first menu of the TV on-screen menu system

Arrow buttons (VOL◀ / ▶ and PROG. ▲/▼) Press the arrow buttons to navigate through the on-screen menu system.

VOL ◀ / ▶ (Volume buttons) Decreases or increases the volume.

PROG. ▲/▼ (Channel buttons) Scans up or down through the current channel list. Press once to change the channel; press and hold to continue changing channels.

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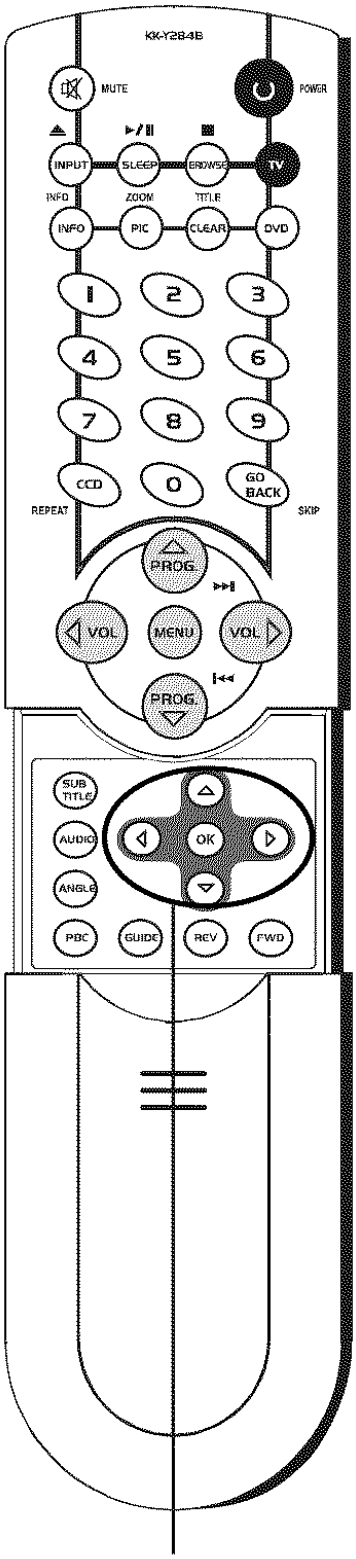

Arrow Buttons for DVD Menu System

Slide the bottom portion of the remote to reveal some DVD buttons.

DVD Function Buttons

POWER Turns the TV/DVD on and off.

DVD Puts the remote in DVD mode.

⏏ (OPEN/CLOSE) Press this button to open and close the DVD drawer.

▶/❚❚ (PLAY/PAUSE) Begins disc play (closes disc tray if opened) or pauses disc play. When disc play is paused, press PLAY/PAUSE to resume playback.

■ (STOP) Stops disc play.

INFO Displays the title, chapter, and elapsed time information during playback. Press again to remove information from the screen.

ZOOM Zooms in on the picture when playing DVD discs.

TITLE Press to display the Title menu during disc playback, if available.

REPEAT Press to repeat a chapter or title on DVD, or an audio CD track.

SKIP Advances the title, chapter, or time counter to a specific location on a DVD. See page 15 for more information.

▶▶❙ (PROG.) Advances to the next chapter or track.

❙◀◀ (PROG.) Reverses to the preceding chapter or track.

0-9 (Number buttons) Use to input information such as chapter and track numbers.

MENU Displays menus and other options that are available on the current disc (if the disc contains this information).

SUBTITLE Selects a subtitle language, if available on the disc.

AUDIO Selects an audio subtrack language, if available on the disc.

ANGLE Selects the camera angle, if available on the disc.

PBC (Playback Control) Turns Navigate feature ON or OFF. In the OFF mode, the disc begins playback without entering the disc's menu. In the ON mode, you must select play in the disc's menu.

GUIDE Displays the DVD player setup menu when the DVD player is in the stop mode.

Arrow buttons (◀ / ▶/▲/▼) Press the arrow buttons to move through the on-screen DVD menu system.

OK button When a menu is on the screen, press OK to select the item that is highlighted on or off.

REV (Reverse) Searches backward through a disc during playback. Press repeatedly to increase speed.

FWD (Forward) Searches forward through a disc during playback. Press repeatedly to increase speed.

MUTE and VOL ◀ / ▶ Functions the same in DVD mode as in TV mode.

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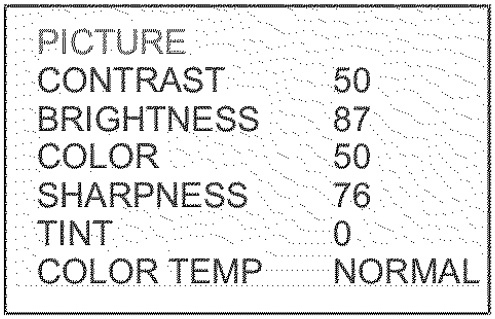
TV Menus

TV menus let you control picture quality and features available for TV viewing. There is a different menu system for DVD features, described on page 16.

Note: Remember to use the TV arrow buttons when accessing the TV's menu system.

TV Menu Navigation

1. To bring up the TV's menu system, press the MENU button.
2. Use the TV arrow buttons (◀ / ▶) on the remote (or the VOL ▲/▼ buttons on the front of the TV) to highlight the different TV menu options (*PICTURE, SOUND, TIMER, FUNCTION, TUNING, PASSWORD* and *PARENTAL GUIDE*).
3. Press the ▲/▼ buttons on the remote (or CH ▲/▼ on the front of the TV) to select the option.
4. Use the arrow buttons (◀ / ▶) on the remote (or the VOL ▲/▼ buttons on the front of the TV) to change the setting of the option.
5. Press the MENU button on the remote to exit the menu system.



The PICTURE Menu

The *PICTURE* menu allows you make adjustments to your picture settings.

CONTRAST	Adjusts the contrast between the light and dark areas of the picture.
BRIGHTNESS	Adjusts the brightness of the picture.
COLOR	Adjusts the color intensity or saturation.
SHARPNESS	Adjusts the sharpness of the picture.
TINT	Adjusts the balance between the red and green levels.
COLOR TEMP	Provides three color adjustments: NORMAL, COLD (for more blue in the picture), and WARM (for more red in the picture).

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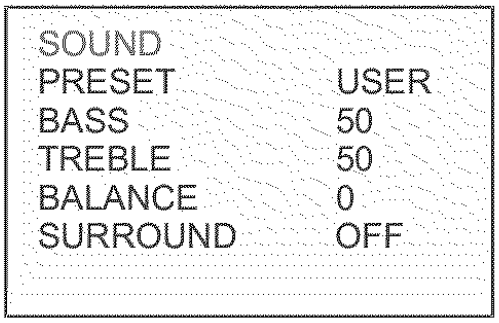


The SOUND Menu

The *SOUND* menu offers different audio options.

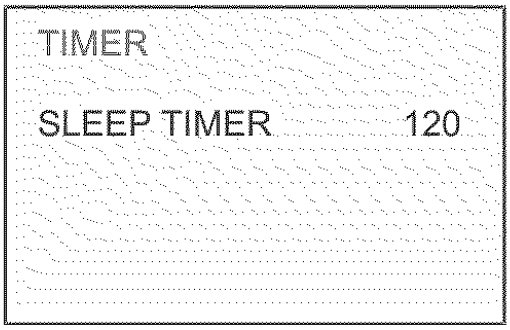
PRESET Provides four preset audio settings (*USER /SPEECH/THEATER/MUSIC*).

BASS Decreases/increases low-pitched sound.

TREBLE Decreases/increases high-pitched sound.

BALANCE Adjusts left/right speaker balance.

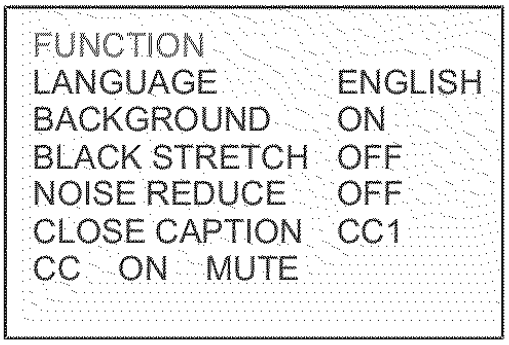
SURROUND Turns the surround sound on or off.



The TIMER Menu

The *TIMER* menu is used to set the *SLEEP TIMER*.

SLEEP TIMER Use the arrow buttons to turn the TV automatically off after a given time. Press the ▶ arrow button to add 10 minutes to the clock (up to two hours).



The FUNCTION Menu

The *FUNCTION* menu is used to set up specific features of the TV including language and closed captioning.

LANGUAGE Selects the language (ENGLISH, FRANCAIS, ESPAÑOL) you want the TV menus to be displayed in.

BACKGROUND Turns the background function (screen saver) on or off (only when using video input channels).

BLACK STRETCH Turns the black stretch function on or off.

NOISE REDUCE Turns the noise reduce function on or off.

CLOSE CAPTION Offers eight closed captioned modes, including four text modes.

CC ON MUTE When turned on, automatically brings up close captioning when the MUTE button is pressed.

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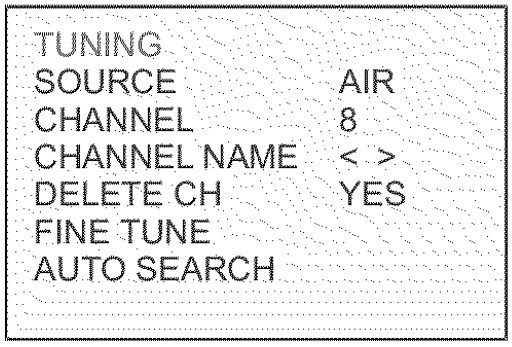


The TUNING Menu

The *TUNING* menu is used to adjust the signal source, channel setup, and reception of the TV.

SOURCE Selects AIR or CABLE. Select AIR to receive a broadcast signal. Select CABLE to receive a CATV signal.

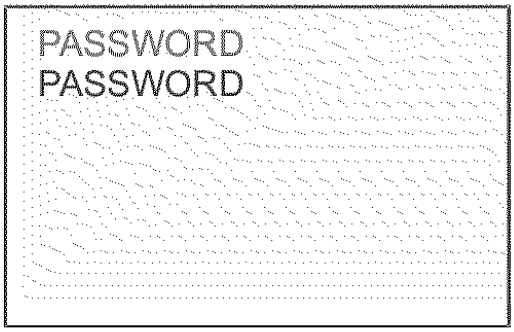
CHANNEL Use the VOL ◀ / ▶ buttons on the remote (or the VOL ▲/▼ buttons on the front of the TV) to scroll through the channels available. You can enter the channel number directly using the number buttons.

CHANNEL NAME Assign a label to channels 2 through 11 for off AIR only. Use the VOL ◀ / ▶ buttons on the remote or front of the TV to select (scroll) a character for the five-character label for channels 2-11. Use the VOL ▲/▼ to go to the next digit.

DELETE CH Select YES to remove the channel. Select NO to enter to the channel.

FINE TUNE Fine tunes a channel for best reception. Use the VOL ◀ / ▶ buttons on the remote to adjust for fine tuning.

AUTO SEARCH Starts channel search and stores the channels automatically. Use the VOL ◀ / ▶ buttons on the remote to begin the auto search. If you wish to stop the search before completed, press MENU.



The PASSWORD Menu

You need a password to enter the *PARENTAL GUIDE* menu. The initial password is "1234." The first time you use this menu you should change the password. If you happen to forget the password, enter the default password "5898" to create a new password. After you enter a correct password, the *PARENTAL GUIDE* menu is displayed.

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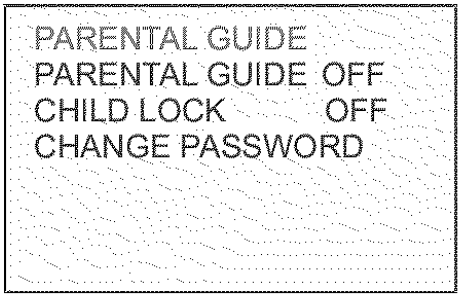
Parental Control and V-Chip

The *PARENTAL GUIDE* menu allows you to program your TV/DVD so that children cannot see certain programs and channels. The software inside your TV/DVD (V-Chip) allows you to "block" TV programs and movies based on violence, sex, or other content you think children should not view. It lets you program your TV so it will not display certain programs. You can "unblock" programs by entering a password. Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating. You can also block out programs that have been given a rating of "not rated," and programs that are considered "unrated" because no code has been sent by the broadcaster.

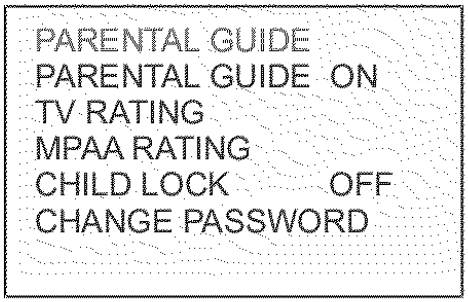
When the Parental Controls feature is turned ON the software reads a code that most broadcasters send with programs. That code tells the software the program's age-based rating (TV-MA, TV-14, etc.) and content themes (Violence (V), Adult Language (L), etc.). See "Age-Based Ratings" tables on page 12.

The PARENTAL GUIDE Menus

The *PARENTAL GUIDE* options allow you to limit viewing of certain channels, lock the control buttons on the main unit, and change your password. You may want to remove the remote control to prevent any changes to your parental control settings. To display one of the *PARENTAL GUIDE* menus, you must first enter your password in the *PASSWORD* menu. With the Parental Guide menu turned OFF, only the basic menu appears. With the *PARENTAL GUIDE* turned ON, the TV and Movie Rating options are included.



Parental Guide OFF



Parental Guide ON

PARENTAL GUIDE — Select OFF to turn off the *GUIDE*. Select ON to activate V-CHIP.

TV RATING — Select the *TV RATINGS* and content themes that you want to Unblock or Block. See "Age-Based Ratings" and "Content Themes" tables on page 12.

MPAA RATING — Select the *MPAA* (Movie) *RATINGS* that you want to Unblock or Block. See MPAA Rating Table on page 13.

CHILD LOCK — Disables the TV's front panel controls. Select OFF to turn *CHILD LOCK* off. Select ON to activate it. **The CHILD LOCK feature takes effect after the TV is turned off and back on again.**

CHANGE PASSWORD — Use this option to create a new password after you've entered the initial password.

Notes: If you do not activate the PARENTAL GUIDE, none of the settings for V-Chip (Parental Control) takes effect.

If you forget your password, you can reset it. Enter 5898 as the password and then change it to a new one.

Turn On PARENTAL GUIDE

1. Press MENU (the *PICTURE* menu appears).
2. Press the ▶ button until the PASSWORD menu appears.

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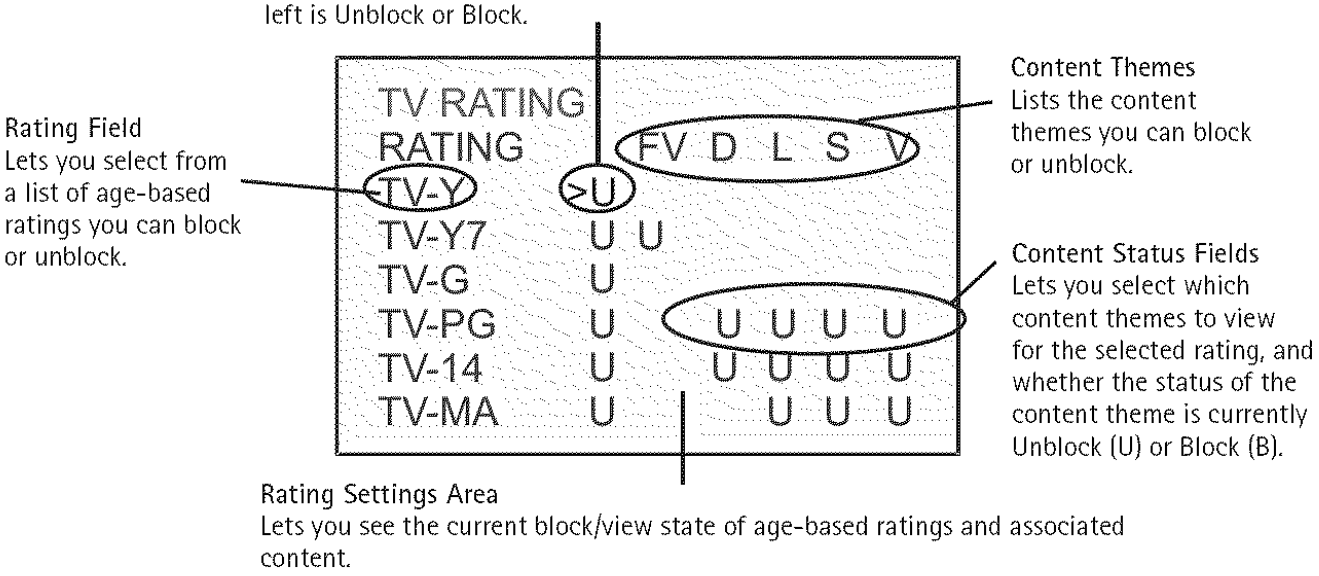
3. Press the ▼ button on the remote to highlight *PASSWORD*, then press the ▶ button to access the password entry.
4. Enter your password using the number buttons on the remote (the *PARENTAL GUIDE* menu appears).
5. Press the ▼ button to highlight *PARENTAL GUIDE*.
6. Press the ▶ button to turn it on. Now you can select the TV and Movie Ratings.

The TV Rating Limit Screen Rating Screen


Rating Status Field
Lets you select whether the status of the age-based rating limit to the left is Unblock or Block.
Content Themes
Lists the content themes you can block or unblock.
Rating Field
Lets you select from a list of age-based ratings you can block or unblock.
Content Status Fields
Lets you select which content themes to view for the selected rating, and whether the status of the content theme is currently Unblock (U) or Block (B).
TV RATING
RATING FV D L S V
TV-Y >U
TV-Y7 U U
TV-G U
TV-PG U U U U U
TV-14 U U U U U
TV-MA U U U U
Rating Settings Area
Lets you see the current block/view state of age-based ratings and associated content.

Blocking TV Ratings

You can automatically block all program ratings above a specified TV rating level when the PARENTAL GUIDE is turned ON. To block channels with higher ratings:

1. Press MENU on the remote control (the *PICTURE* menu appears).
2. Press the ▶ button until the *PASSWORD* menu appears.
   Note: If you forget your password, you can reset it. Enter 5898 as the password and then change it to a new one.
3. Press the ▼ button on the remote to highlight *PASSWORD*, then press the ▶ button to access the password entry.
4. Enter your password using the numbers buttons on the remote (the *PARENTAL GUIDE* menu appears).
5. Press the ▲/▼ button until *TV RATING* is highlighted, then press the ▶ button (the TV RATING screen shown above appears).
6. Use the ▲/▼ button to select the rating, then press the ▶ button to change the status of a TV program rating or content theme from *U* (Unblock) to *B* (Block).
7. Press OK (or MENU button on the TV's front panel) to return to the PARENTAL GUIDE menu.

The following sections give you more details about how to change the status of TV program limits.

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Rating	Description and Content Themes for Age-Based Ratings
TV-MA	Mature Audience Only. Specifically designed to be viewed by adults; may be unsuitable for children under 17. Contains one or more of the following content themes: **crude indecent language (L), explicit sexual activity (S), or graphic violence (V).**
TV-14	Parents Strongly Cautioned. Contains some material that parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: **intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).**
TV-PG	Parental Guidance Suggested. Contains material that parents may find unsuitable for younger children. Parents may want to watch it with their younger children. The program contains one or more of the following content themes: **some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V) .**
TV-G	General Audience. Most parents would find this program suitable for all ages. Contains **little or no sexual dialogue (D), no strong language (L) little or no sexual situations (S), or violence (V).**
TV-Y7	Designed for children ages 7 and above. May be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild **fantasy violence (FV)** or comedic violence, or may frighten children under the age of 7.
TV-Y	All Children. Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.

Content Themes	
D	**Sexually Explicit Dialogue**
L	**Adult Language**
S	**Sexual Situations**
V	**Violence**
FV	**Fantasy Violence**

Blocking Specific Content Themes

You can block programs based on their content. (Content is represented by the FV, D, L, S, and V on your screen.) When you block a content theme for a particular rating, you automatically block that content theme for higher rated programs as well.

To block program content:

1. Determine the content themes you want to block.
2. Press and hold the ▼ button until the content theme you want to change is highlighted.
3. Press the ▶ button to change its status to B (Block).
4. Press OK to return to the previous menu.

Notes: Broadcasters are not required to provide content themes or age-based ratings.

You must remember to activate PARENTAL GUIDE for rating limits to take effect.

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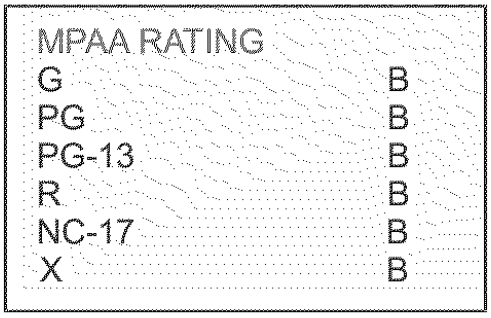

V-Chip Movie Rating Limit

Set movie rating limits by blocking movies rated above a specified level.

To access the MPAA RATING (Movie Rating Limit) menu:

1. Press MENU on the remote control (the PICTURE menu appears).
2. Press the ▶ button until the *PASSWORD* menu appears.
3. Press the ▼ button until *PASSWORD* is highlighted, then press the ▶ button to access the password entry.
4. Enter your password using the numbers buttons on the remote (the *PARENTAL GUIDE* menu appears).
5. Press the ▼ button until *PARENTAL GUIDE* is highlighted, then press the ▶ button to turn it ON.
6. Press the ▼ button until *MPAA RATING* is highlighted, then press the ▶ button (the *MPAA RATING* screen appears).
7. Use the ▼ button to select the rating, then press the ▶ button to change the status of a TV program rating or content theme from *U* (Unblock) to *B* (Block).
8. Press the OK button on the remote control to return to previous menu.

Notes: If you forget your password, you can reset it. Enter 5898 as the password and then change it to a new one.

You must remember to activate PARENTAL GUIDE for rating limits to take effect.

MPAA Ratings	
G	General Audience
PG	Parental Guidance
PG-13	Parents Strongly Cautioned
R	Restricted Under 17
NC-17	No One 17 & Under
X	X-Rated

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DVD Basics

Regional Coding

The DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. This unit's code is **Region 1**. Discs with other regional codes can't be played in this unit.

Using Different Menus

Each disc is programmed with different features. There are two separate menu systems that you can use to access DVD features: the disc's menu and the DVD player's menu (separate from the TV's menu system). Remember that a feature only works if the disc was programmed with that feature. For example, if you choose subtitles, the subtitles only appear if the disc was created with subtitles. The DVD menu system is explained on page 16.

- **The Disc menu** – The disc menu is part of each disc and is separate from the DVD player's menu system. The contents of each disc's menu vary according to how the disc was created and what features are included. Sometimes a disc's menu appears automatically when you insert the disc, or you can access it by pressing the MENU button.

Types of Discs Your DVD Will Play

- DVD discs – Contain video.
- Audio discs – Contain musical or sound content only (such as CD, CD-R, CD-RW).
- mp3 discs – Contain audio files (for example, a CD-R with downloaded mp3 files).
- Picture CDs, JPEG files.

Before you load a disc, make sure that it is compatible with the player. Note that the following discs CANNOT be used with this player:

- Laserdisc
- CD-I, CD-ROM, DVD-ROM
- MiniDisc
- CD-G discs play audio only, not graphics

To Load and Play a Disc

1. Press the DVD button on the remote to make sure the unit is in the DVD mode.
2. Press the OPEN/CLOSE button on the remote to open the disc tray. Place a disc gently into the tray with the disc's label facing up (double-sided discs have content on both sides, so you can place either side up).
3. Press the OPEN/CLOSE button again to close the disc tray.

The player reads the disc's table of contents, and then one of following happens depending on how the disc was programmed:

- No disc menu appears, a screen saver is displayed. (Press the DVD button to put the player in DVD mode.)
- The disc menu appears. (Highlight the PLAY option and press OK.)
- The disc menu appears on the screen when you press PLAY/PAUSE. (Highlight PLAY and press OK.)
- The disc starts playing automatically.

If no picture or screen saver is displayed, press the DVD button to put the player in the DVD mode.

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Search Options

To search a disc, you can use the FWD (Forward) or REV (Reverse) button.

You can also use the following search features with some discs:

Picture Scan

When you're playing a disc, each time you press FWD (Forward) or REV (Reverse), your DVD player scans the disc faster until you reach the fastest scan speed. To resume normal playback, press PLAY.

Skip

While a DVD is playing, press SKIP to advance to a title or chapter. Use the left or right arrow button to select the title or chapter. Use the up or down arrow button (or enter number buttons) to advance to the next title or chapter. Press OK once you have selected the title or chapter.

Pressing SKIP again brings up the time counter field to allow you to go to a specific location on the DVD. Use the number buttons to enter the time and press OK.

Note: This feature may not be available on all discs.

Playback Options

With some discs, you can access playback features directly from the remote control.

Chapter Advance

While a disc is playing, you can skip forward or backward a chapter or track at a time by pressing the SKIP button.

Repeat

For DVD discs, press the REPEAT button on the remote to repeat a chapter. Press once more to repeat a title. Press three times to repeat the entire disc, and press four times to cancel repeat.

For audio CDs, press REPEAT to repeat a track. Press REPEAT twice to repeat the entire disc, and three times to cancel repeat.

Zoom

1. While you're playing a disc, press ZOOM (the player zooms in on the image). Each time you press ZOOM, the picture is magnified even more (until you get to the maximum zoom level).
2. To see other parts of the picture when you've zoomed in on the image, try pressing the ◀/▶/▲/▼ buttons to go in corresponding directions.

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DVD Menu System

The DVD player menu system lets you set up features for your DVD player. There is a different menu system that controls TV features (see page 7). The DVD setup menu is accessed when the DVD player is stopped.

Note: Remember to use the DVD arrow buttons when accessing the DVD player's menu system.

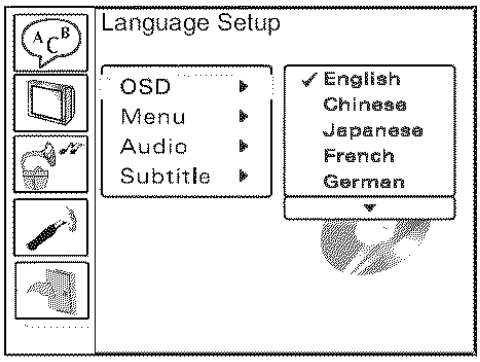
DVD Menu Navigation

1. Press STOP twice to stop playback. Make sure that the remote is in the DVD mode by pressing the DVD button.
2. Press GUIDE. The Setup menu is displayed.
3. Use the ▲ / ▼ buttons to highlight an icon, then press the OK button to select it and move to the submenu.
4. Use the ◀ / ▶ buttons to highlight an option and ▲ / ▼ buttons to select the option and press the OK button.
5. To exit the menu, press the GUIDE button again.

Setup Menus

These menus are used to set up TV screen format for DVD viewing and other DVD functions.

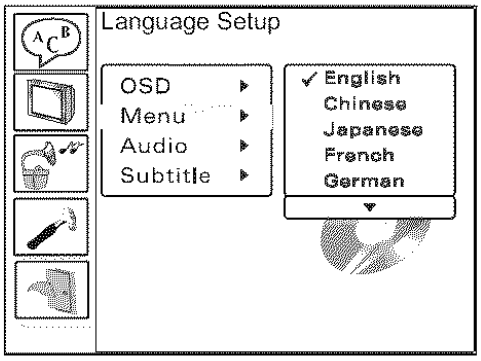
Notes: Discs are created differently. The DVD player can't override some language preferences. If a disc's software was created to play the movie (title) in a preferred language, the preference you set might be ignored. Also, if the language isn't available on the movie you're playing, the discs's default language will be chosen.



The Language Setup Menu

OSD (On-screen Display)

This setting controls the language used to display text in the TV and DVD system menus.*you're playing, the discs's default language will be chosen.*



Menu

This option allows you to select a language used to display the disc's menu (provided the disc menu has those languages).

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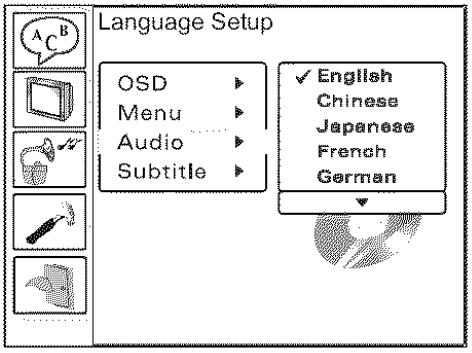
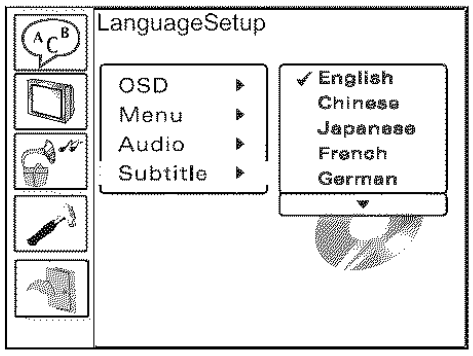


Audio

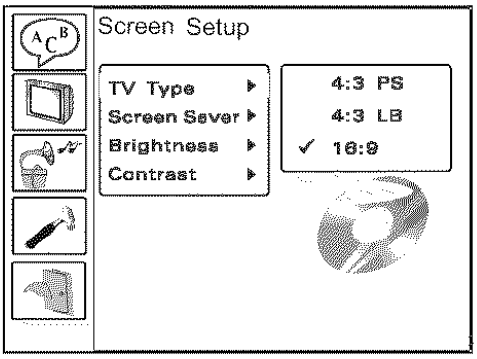
Some discs are recorded with multiple language tracks (different languages). You can select a default language so discs will play in the language of your choice, if the disc was recorded with multiple tracks.



Subtitle

This option allows you to select a language used to display subtitles (if subtitles are turned on and are available on the disc).

The Screen Setup menu



TV Type

TV TYPE controls the aspect ratio (height to width) of the picture on the screen. See below for a description of different screen formats.

4:3 PS

4:3 PS (Pan and Scan) – Choose this setting if you want the movie to fill the entire screen. This might mean that parts of the picture (the left and right edges) won't be seen.

Most discs produced in a widescreen format can't be cropped in this fashion. This means the black bars will appear at the top and bottom of the screen.

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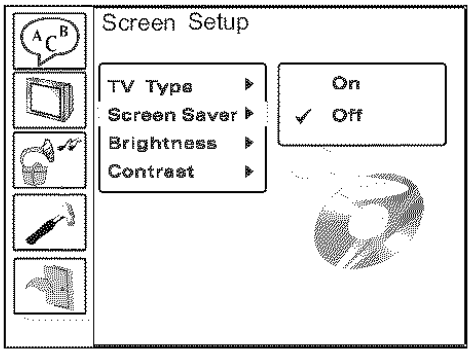
4:3 LB

4:3 LB (Letterbox) – Choose this setting if you want to see movies in their original aspect ratio (height-to-width ratio). You'll see the entire frame of the movie, but it will take up a smaller portion of the screen vertically. The movie might appear with black bars at the top and bottom of the screen.

16:9

16:9 (Widescreen) – Choose this setting if your TV/DVD player is connected to a widescreen TV. If you choose this setting and you don't have a widescreen TV, the images on the screen may appear distorted due to vertical compression.

If you play a disc recorded in 4 x 3 format on a widescreen TV, the left and right side of the screen will appear black.

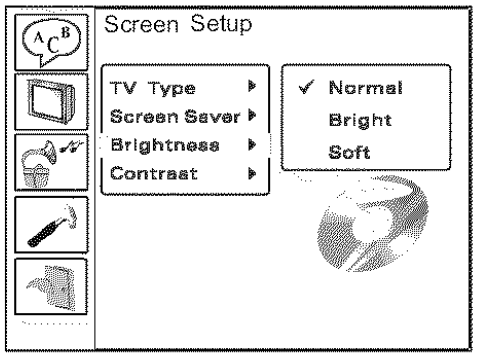


Screen Saver

The screen saver is a graphic that randomly moves around the screen to guard against screen burn-in.

ON: Screen Saver turned on.

OFF: Screen Saver turned off.



Brightness

This setting controls the brightness of the DVD picture.

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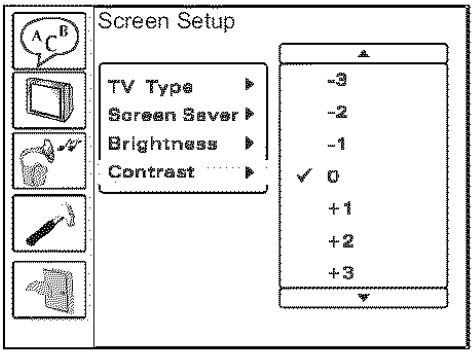
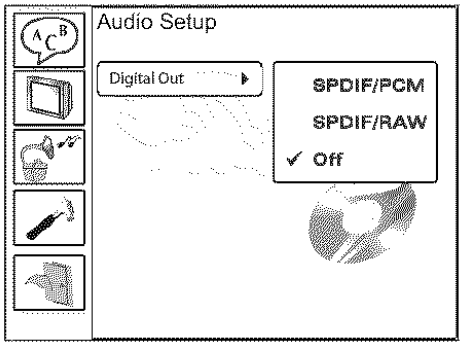


Contrast

This setting controls the contrast between the light and dark areas of the DVD picture.

The Audio Setup Menu



Digital Out

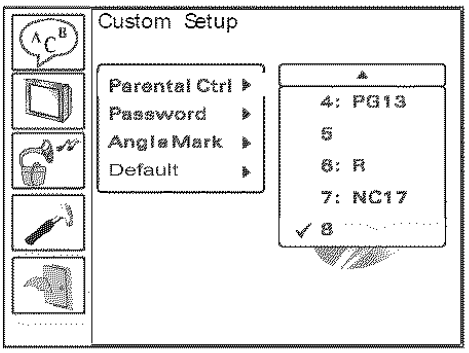
This feature provides two kinds of audio output for receivers.

SPDIF/PCM: Provides surround sound through coaxial output of Dolby Digital signals from the back panel. Select this option only if you are using the coaxial audio output jack to connect a 2-channel digital stereo amplifier.

SPDIF/RAW: Provides surround sound through coaxial output of Dolby Digital signals from the back panel. Select this option if you are using the coaxial audio output jack to connect a stereo receiver that has a multi-channel decoder.

OFF: Select OFF when no digital output is desired.

The Custom Setup Menu



Parental Ctrl (Parental Control)

In the United States, categories range from G (very restrictive content) to adult categories. If the level set here is below the rating of a disc, the DVD will request a password.

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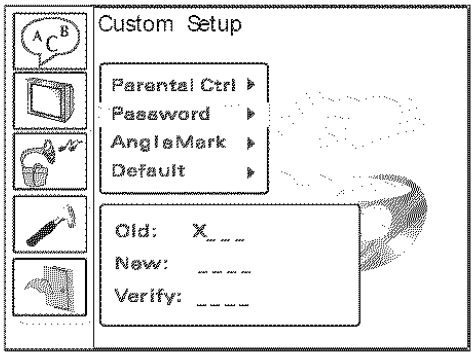
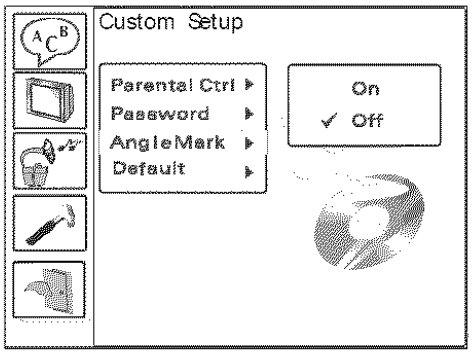


Password

The default password is "8888." You may change the password at any time.

You must enter a valid password to gain access to Parental Controls. If you forget your password, you can reset it by setting the TV/DVD player back to the factory settings (*DEFAULT* menu), but you will have to reset all your setup options.



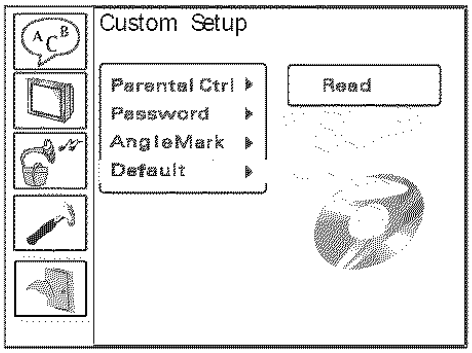
Angle Mark

The A*NGLE MARK* option is used with DVD discs that may contain scenes which have been shot simultaneously from a number of different camera angles.

Note: Currently, very few discs have this feature.

ON: Select if the DVD disc contains camera angles. An angle mark appears on the screen.

OFF: Select if the DVD disc does not contain angles. The angle mark disappears from the screen.



Default

Select the *DEFAULT* option if you want to return ALL settings to the factory defaults.

Note: If you choose to reset to the default settings, Parental Controls must be reset along with all the other selections you have made in the Setup menus.

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Playing Audio CDs

Your DVD player has many of the same features as an audio CD player. This section explains how to play audio CDs in your TV/DVD player.

Scan Disc

You can scan through the disc when you're playing it by doing the following:

1. Press the REV (Reverse) or FWD (Forward) button on the remote.
2. Press the button again to scan at a faster speed.
3. Press the PLAY button at any time to resume normal playback.

Track Advance or Reverse

1. Press the ⏭ or ⏮ button on the remote when you're playing a disc.
2. Each time you press the button, the CD advances (or reverses) one track.

Pause

1. Press the PLAY/PAUSE button when a disc is playing to pause the disc.
2. Press it again to resume normal playback.

Playing mp3 Discs

When an mp3 disc is inserted in the player, the Disc Navigation screen appears automatically. You can change folders and songs through the Disc Nav screen. The player plays the songs in the order they were burned onto the disc.

1. Insert the mp3 disc. The folder selection screen appears.
2. Use the ▲ / ▼ buttons to select the folder you want to play and press the OK button.
3. Use the ◀ / ▶ / ▲ / ▼ buttons to select the files (or tracks) you want to play and press the OK button. The selected files (or tracks) play.
4. Press the STOP button to stop playback.

Note: When you play an audio CD or mp3 disc, you can also use number buttons to select tracks, files, and folders.

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Playing Picture CDs

Insert a picture CD into the disc tray. The pictures on the CD are played in a slide show.

1. To stop on a certain picture, press PAUSE.
2. Press the arrow keys to rotate the picture.

Playing CD files (JPEG or mp3)

When a CD with JPEG or mp3 files is inserted, a File Manager window is displayed. The DVD player automatically begins playback of the files on the disc. Use the arrow buttons to navigate through the folders and select files for playback.

- When displaying JPEG files, press FWD (fast forward) repeatedly to change the speed of the slide show.
- When a JPEG is displayed, use the arrow keys to rotate the picture.

Note: This feature may not be available on all discs.

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Troubleshooting

Most problems you encounter with your TV/DVD can be corrected by consulting the following troubleshooting list.

TV Problems

TV won't turn on

- Press the POWER button.
- Make sure the TV is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the front of the TV. If the TV turns on, check the remote control solutions on page 24.

Buttons don't work

- If you're using the remote control, press the TV button first to make sure the remote is in TV mode.
- Unplug the TV for two minutes and then plug it back in. Turn the TV on and try again.

TV turns off unexpectedly

- Sleep timer might have been activated.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high or low.
- Unplug TV. Wait five minutes. Plug it in again.

Blank screen

- Try another channel.

No sound, picture okay

- Maybe the sound is muted. Try pressing the volume up button to restore sound.

Can't select certain channel

- Channel may be blocked or not approved through the V-Chip.

Noisy stereo reception

- May be a weak station. Access the SOUND menu (see page 8), highlight MODE and then choose MONO.

No picture, no sound but TV is on

- Maybe the signal type (SOURCE) is set wrong. Go to page 9 for detailed instructions.
- The channel might be blank — change channels.
- If your player is connected to a TV, make sure the video input channel is selected on the TV (TV, AS1, DVD, AS3) to view.

Sound okay, picture poor

- Check antenna connections. Make sure all of the cables are firmly connected to the jacks.
- Try adjusting sharpness function to improve weak signals.

Black box appears on the screen

- Closed caption might be on.

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The Remote Control Doesn't Work

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe batteries in remote are weak, dead, or installed incorrectly. Put new batteries in the remote.
- You might need to reset the remote: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, and replace the batteries.
- Make sure remote is in the correct mode (TV or DVD).

Problems with V-Chip/Parental Controls

The rating limits don't work

- You must activate the settings.

I don't remember my password and I want to unlock the TV

- If you forget your password you can reset it. Enter 5898 as the password and then change it to a new one.

DVD Problems

Can't advance through a movie

- You can't advance through the opening credits and warning information that appear at the beginning of movies because the disc is programmed to prohibit that action.

The invalid icon (hand) appears on screen

- The feature or action cannot be completed at this time for one of the following reasons:
- The disc's software restricts it.
- The disc's software doesn't support that feature (e.g., angles).
- The feature is not available at the moment.
- You've requested a title or chapter number that is out of range.

The picture is distorted

- The disc might be damaged. Try another disc.
- If you're using forward or reverse buttons, it is normal for some distortion to appear while scanning.

A screen saver appears on the TV

- Your player is equipped with a screen saver that appears on the TV after your player has been idle for several minutes. To make it disappear, press Stop or CLEAR on the remote.

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Subtitle and/or audio language is not the one selected from the initial setting

- If the subtitle and/or audio language does not exist on the disc, the initial settings will not be seen/heard. The disc's priority language is selected instead. Set the subtitle and/or audio language manually through the DVD player's menu.

The menu is displayed in a foreign language

- The OSD option is set to that language. Go to the *LANGUAGE SETUP* menu and select the *OSD* option. Select the language you prefer.

Play doesn't begin

- The rating of the title on the disc exceeds the rating limit set in the *PARENTAL GUIDE* menu. Unlock the player and/or change the rating limit in those menus.

No forward or reverse scan

- Some discs have sections that prohibit rapid scanning, or title and chapter skip.
- If you're trying to skip through the warning information and credits at the beginning of a movie, you won't be able to. This part of the movie is often programmed to prohibit skipping through it.

Picture is too tall and thin

- Change the *TV TYP*E (aspect ratio). Go to page 17 for more information.

Picture is too short and wide

- Change the aspect ratio with the TV TYPE option. Go to page 17 for more information.

Disc won't eject

- When you put a disc into the player, the player might take up to 15 seconds to read the disc. You won't be able to eject the disc during this time. Wait 15 seconds and try again.

Change Password

- The default password is "8888" if you forget your password. See page 20.

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Recommendations and Information Concerning Discs

CD-R and CD-RW Discs

This player can play most CD-R and CD-RW discs. However, depending on the recorder of the discs of your personal computer, the type of disc and recording method used, some discs might not play, or the performance might not meet the expected standard of quality. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognize the disc before it plays. If the disc is not recognized after a period of 20 seconds, remove the disc, and then insert it again. If after several trials, the disc cannot be recognized, make sure you have followed the recommendations below or try another type of disc.

- Whatever the actual recording capacity of a disc, do not fill it to maximum capacity.
- Use CD-R discs rather than CD-RW (re-recordable CDs), as replay of CD-RWs may sometimes not work properly.
- Use a reliable and good quality recording software.
- Before recording on a disc, close all applications on you personal computer in order to optimize the quality and reliability of recordings on the disc.

CD-R and CD-RW Discs with mp3 Format "Music" Files

In the case of discs that include mp3 files, follow not only the general recommendations for CD-R and CD-RW discs, but also the following specific recommendations:

- The format of your mp3 files should be ISO 9660 or JOLIET. These files are compatible with DOS and Windows applications as well as with Mac applications.
- Your mp3 files must have a name no longer than 12 characters as well as the suffix ".mp3". They must be recorded in the form: title.mp3. Ensure that you do not leave spaces or use special characters such as (. , / , \ , = ,+) in the name.
- Do not attempt to record protected mp3 files. Such files are coded and protected.
- Use a decompression transfer rate of at least 128 kb/sec (kilobytes/second) when recording mp3 files. Sound quality with mp3 files basically depends on the rate of compression/ decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to mp3 format, of at least 128 kb/sec and up to 160 kb/sec.

  However, choosing higher rates, like 192 kb/sec or more, only rarely give even better sound quality. Conversely, files with sampling rates below 128 kb/sec will not be played properly.

Important: The above recommendations cannot be taken as a guarantee that the DVD player will play mp3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for mp3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (that is degraded sound quality and even, in some cases, inability of the player to read the file or files).

Information updated in December 2002

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Additional Information

Maintenance of Cabinet

For safety reasons, when cleaning the cabinet be sure to disconnect the AC power cord from the AC outlet.

- Do not use benzene, thinner, or other solvents for cleaning.
- Wipe the cabinet with a soft cloth.

Formation of Condensation

- Due to sharp changes in temperature and humidity, condensation may form if warm air comes in contact with any cold parts inside the player.
- When condensation forms inside the player, the player may not operate correctly. If this occurs, leave the player at room temperature until the inside of the player becomes dry and operational.
- If condensation forms on a disc, wipe the disc with a soft, dry cloth by moving the cloth from the center hole toward the outer edge.

Handling Discs

- Don't touch the disc's data surfaces. Hold by the edges or by one edge and the hole in the center.
- Don't affix labels or adhesive tape to label surfaces. Don't scratch or damage the label.
- Do not use damaged (cracked or warped) discs.

Cleaning Discs

- Dirty discs can cause reduced video and audio performance. Always keep discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
- If a disc becomes dirty, wet a soft cloth in water, wring it out well. Wipe the dirt away gently, and remove any water drops with a dry cloth.
- Do not use record-cleaning sprays or anti-static agents on discs. Also, never clean the discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.

Handling Cautions

- Before connecting other components to this player, be sure to turn all components off.
- Don't move the player while a disc is being played. The disc may get scratched or broken, and the player's internal parts may be damaged.
- Don't put any container filled with liquid or any small metal objects on the player.
- Be careful not to put your hand into the disc tray.
- Don't place anything other than a disc in the disc tray.
- Exterior influences such as lightning and static electricity can affect normal operation of this player. If this occurs, turn the player off and on again with the POWER button, or disconnect and then reconnect the AC power cord to the AC power outlet. The player will operate normally.
- Be sure to remove the disc and turn off the player after use.

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Limited Warranty

What your warranty covers:

- Defects in material or workmanship.

For how long after your purchase:

- 90 days from date of purchase for labor charges.
- One year from date of purchase for parts.
- Two years from date of purchase for picture tube.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm whichever comes first.

What we will do:

- Pay an Authorized RCA Television Service Center the labor charges to repair your unit.
- Pay an Authorized RCA Television Service Center for the new or, at our option, rebuilt replacement parts and picture tube required to repair your unit.

How you get service:

- For screen sizes of 26" and smaller: Take your RCA unit to any Authorized RCA Television Service Center and pickup when repairs are complete.
- For screen sizes larger than 26": Request home or pick up, repair and return service from any Authorized RCA Television Service Center, provided that your unit is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your TV/DVD to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your unit to and from your home.
- To identify your nearest Authorized RCA Service Center, ask your dealer, look in the Yellow Pages, visit www.rca.com, or call 1-800-336-1900.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your product. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your TV/DVD.
- Damage from misuse or neglect.
- Batteries.
- Images burnt onto the screen.
- A TV/DVD that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A unit purchased or serviced outside the U.S.A.
- Acts of nature, such as but not limited to lightning damage.

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Product Registration:

- Please complete the online Product Registration on www.rca.com or complete and mail the Product Registration Card packed with your unit. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY TTE TECHNOLOGY, INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. TTE TECHNOLOGY, INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.**

How state law relates to this warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

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Visit the RCA web site at www.rca.com

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